

Title (en)

METHOD FOR THE COATING OF PARTICLES, THE USE OF A COATING SUSPENSION AND A COATED PRODUCT

Title (de)

VERFAHREN ZUM BESCHICHTEN VON TEILCHEN VERWENDUNG VON EINER BESCHICHTUNGSSUSPENSION UND BESCHICHTETES PRODUKT.

Title (fr)

PROCEDE DE REVETEMENT DE PARTICULES, UTILISATION D'UNE SUSPENSION DE REVETEMENT ET PRODUIT REVETU

Publication

EP 1194220 B1 20040512 (EN)

Application

EP 00936927 A 20000614

Priority

- FI 0000533 W 20000614
- FI 991357 A 19990614

Abstract (en)

[origin: WO0076649A1] The invention relates to a method for coating a particulate product by using a coating suspension containing an organic phase and solid inorganic particles. The invention also relates to the use of the suspension in coating and to a coated particulate product. According to the invention, the products to be coated consist of fertilizer granules in particular, which is milled in a delaminating liquid, the coating protects against wetting and caking. According to the invention, a mineral with layer structure is used as the inorganic component of the suspension, which is milled in delaminating in a liquid, after which the suspension containing the organic phase and the obtained plate-like mineral particles, which have become smaller in size, is brought onto the surface of the product particles. The mineral is preferably talc and the organic phase mineral oil, wax or a mixture of oil and wax. After grinding, the organic phase of the suspension can be diluted with an organic liquid, if necessary, and the suspension can be spread onto the product to be coated by spraying or atomising.

IPC 1-7

B01J 2/00; **C05G 3/00**

IPC 8 full level

B01J 2/00 (2006.01); **B01J 2/30** (2006.01); **C05G 3/30** (2020.01)

CPC (source: EP)

B01J 2/006 (2013.01); **B01J 2/30** (2013.01); **C05G 5/38** (2020.02)

C-Set (source: EP)

C05G 5/38 + **C05G 5/30**

Cited by

EP3911621A4; CN101811915A; US11814329B2

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

WO 0076649 A1 20001221; AT E266462 T1 20040515; AU 5224600 A 20010102; CN 1355722 A 20020626; DE 60010699 D1 20040617; DE 60010699 T2 20050818; EP 1194220 A1 20020410; EP 1194220 B1 20040512; ES 2220471 T3 20041216; FI 107024 B 20010531; FI 991357 A0 19990614; FI 991357 A 20001215; PT 1194220 E 20040930

DOCDB simple family (application)

FI 0000533 W 20000614; AT 00936927 T 20000614; AU 5224600 A 20000614; CN 00808985 A 20000614; DE 60010699 T 20000614; EP 00936927 A 20000614; ES 00936927 T 20000614; FI 991357 A 19990614; PT 00936927 T 20000614